TOSHIBA

Leading Innovation

RAS Multi-Split Outdoor

- Toshiba multi-splits are equipped with Toshiba DC hybrid inverter, an enhanced feature that ensures improved performance and reliability
- Wide range of indoor units available
- Environmentally conscious, R410A refrigerant
- Superior reliability due to Toshiba's unique inverter compressor
- Vertical pipe lengths of up to 15 metres

RAS Multi-Split Outdoor

Toshiba new Super efficient DC Twin rotary compressor enables top performance at low energy consumption. With this efficient unit, operating costs decrease dramatically, compared to other multi-split systems.

Model Reference Outdoor		RAS-M14GAV-E	RAS-M18UAV-E	RAS-3M26UAV-E	RAS-4M27UAV-E	RAS-5M34UAV-E1
Cooling Capacity	kW	4.0	5.2	7.5	8.0	10.0
Cooling Capacity min -max	kW	1.1-4.5	1.4-6.2	4.1-9.0	4.2-9.3	3.7-11.0
Power Input	kW	1.08	1.44	2.0	2.29	2.92
EER		3.70	3.61	3,75	3.5	3.42
Energy Efficiency Class		A	A	A	A	A
Heating Capacity	kW	4.4	5.6	9.0	9	12
Heating Capacity min -max	kW	0.5-5.2	1.0-8.3	2.0-11.2	2.9-11.7	2.7-14.0
Power Input	kW	1.01	1.19	2.20	1.93	2.83
COP		4.35	4.71	4.09	4,67	4,24
Energy Efficiency Class		A	A	A	A	A

Outdoor Units			RAS-M14GAV-E	RAS-M18UAV-E	RAS-3M26UAV-E	RAS-4M27UAV-E	RAS-5M34UAV-E1
Air Flow	M3/h-l/s		1812 - 503	2100-503	2507-696	2507-696	3245-901
Sound Pressure Level	dB(A)	C	46	49	48	48	51
Sound Power Level	dB(A)	C	59	64	63	63	66
Operating Range	°c	C	5÷43	5 ÷ 43	10 ÷ 43	10 ÷ 43	10 ÷ 43
Sound Pressure Level	dB(A)	H	48	51	49	49	54
Sound Power Level	dB(A)	H	61	66	63	63	69
Operating Range	°c	H	-15÷24	-15÷24	-15÷22	-15÷22	-15÷22
Dimensions (HxWxD)	mm		550x780x290	550x780x290	890x900x320	890x900x320	890x900x320
Weight	kg		36	41	69	69	75
Compressor Type			DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary
Flare Connections - gas	mm/in		9.5 (3/8") x 2	9.5 (3/8") + 12.7 (1/2")	12.7 (1/2") x 2 + 9.5 (3/8")	9.5 (3/8") x 2 + 12.7(1/2") x 2	9.5 (3/8") x 3 + 12.7 (1/2") x 2
Flare Connections - liquid	mm/in		6.4 (1/4") x 2	6.4 (1/4") x 2	6.4 (1/4") x 3	6.4 (1/4") x 4	6.4 (1/4") x 5
Maximum Pipe Length (per unit/total)	m		20/30	20 / 30	25/70	25/70	25/80
Maximum Height Difference	m		10	10	15	15	15
Chargeless Pipe Length	m		20	20	40	40	40
Power Supply	v-ph-Hz		220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50

Multi-Split System Combinations

Energy efficiency can vary on systems depending on the combination of indoor units selected. Therefore we would recommend that contractors check on the Eco-Design website to ensure that the particular combination they are selecting complies, www.toshiba-aircon.co.uk select Support and then Eco Design Website.

Combinations

Outdoor Unit	Unit 1	Unit 2	Unit 3	Unit 4
RAS-M14GAV-E 4kW	10 (1.95kW)	10 (1.95kW)		
	13 (2.33kW)	10 (1.95kW)		
RAS-M18UAV-E 5.2kW	10 (2.55kW)	10 (2.55kW)		
	13 (2.95kW)	10 (2.15kW)		
	13 (2.55kW)	13 (2.55kW)		
	16 (3.19kW)	10 (1.91kW)		
	16 (2.85kW)	13 (2.35kW)		
RAS-3M26UAV-E 7.5kW	10 (2.47kW)	10 (2.47kW)	10 (2.47kW)	
	13 (3.01kW)	10 (2.20kW)	10 (2.20kW)	
	16 (3.36kW)	10 (2.02kW)	10 (2.02kW)	
	18 (3.56kW)	10 (1.92kW)	10 (1.92kW)	
	13 (2.71kW)	13 (2.71kW)	10 (1.98kW)	
	16 (3.06kW)	13 (2.51kW)	10 (1.83kW)	
	18 (3.25kW)	13 (2.40kW)	10 (1.75kW)	
	16 (2.85kW)	16 (2.85kW)	10 (1.71kW)	
	18 (3.03kW)	16 (2.73kW)	10 (1.64kW)	
	13 (2.47kW)	13 (2.47kW)	13 (2.47kW)	
	16 (2.80kW)	13 (2.30kW)	13 (2.30kW)	
	18 (2.98kW)	13 (2.21kW)	13 (2.21kW)	
	16 (2.66kW)	16 (2.66kW)	13 (2.19kW)	
	18 (2.84kW)	16 (2.56kW)	13 (2.10kW)	
	16 (2.50kW)	16 (2.50kW)	16 (2.50kW)	
	18 (2.68kW)	16 (2.41kW)	16 (2.41kW)	
RAS-4M27UAV-E 8kw	10 (1.98kW)	10 (1.98kW)	10 (1.98kW)	10 (1.98kW)
	13 (2.48kW)	10 (1.81kW)	10 (1.81kW)	10 (1.81kW)
	13 (2.28kW)	13 (2.28kW)	13 (1.67kW)	10 (1.67kW)
	13 (2.00kW)	13 (2.00kW)	13 (2.00kW)	13 (2.00kW)
	16 (2.82kW)	10 (1.69kW)	10 (1.69kW)	10 (1.69kW)
	16 (2.61kW)	13 (2.15kW)	10 (1.57kW)	10 (1.57kW)
	16 (2.47kW)	13 (2.03kW)	13 (2.03kW)	10 (1.48kW)
	16 (2.50kW)	16 (2.50kW)	10 (1.50kW)	10 (1.50kW)
	18 (3.02kW)	10 (1.63kW)	10 (1.63kW)	10 (1.63kW)
	18 (2.80kW)	13 (2.07kW)	10 (1.51kW)	10 (1.51kW)
	18 (2.65kW)	13 (1.96kW)	13 (1.96kW)	10 (1.43kW)
	18 (2.68kW)	16 (2.42kW)	10 (1.45kW)	10 (1.45kW)

Indoor Unit Size

Outdoor Unit	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
RAS-5M34UAV-E 10kw	10 (1.98kW)	10 (1.98kW)	10 (1.98kW)	10 (1.98kW)	10 (1.98kW)
	13 (2.53kW)	10 (1.84kW)	10 (1.84kW)	10 (1.84kW)	10 (1.84kW)
	13 (2.36kW)	13 (2.36kW)	10 (1.72kW)	10 (1.72kW)	10 (1.72kW)
	13 (2.22kW)	13 (2.22kW)	13 (2.22kW)	10 (1.62kW)	10 (1.62kW)
	13 (2.09kW)	13 (2.09kW)	13 (2.09kW)	13 (2.09kW)	10 (1.53kW)
	13 (2.00kW)	13 (2.00kW)	13 (2.00kW)	13 (2.00kW)	13 (2.00kW)
	16 (2.91kW)	10 (1.75kW)	10 (1.75kW)	10 (1.75kW)	10 (1.75kW)
	16 (2.61kW)	13 (2.61kW)	10 (1.56kW)	10 (1.56kW)	10 (1.56kW)
	16 (2.58kW)	13 (2.12kW)	13 (2.12kW)	10 (1.55kW)	10 (1.55kW)
	16 (2.46kW)	13 (2.02kW)	13 (2.02kW)	13 (2.02kW)	10 (1.48kW)
	16 (2.33kW)	13 (1.92kW)	13 (1.92kW)	13 (1.92kW)	13 (1.92kW)
	16 (2.61kW)	16 (2.61kW)	10 (1.56kW)	10 (1.56kW)	10 (1.56kW)
	16 (2.49kW)	16 (2.49kW)	13 (2.04kW)	10 (1.49kW)	10 (1.49kW)
	16 (2.36kW)	16 (2.36kW)	13 (1.94kW)	13 (1.94kW)	10 (1.41kW)
	18 (3.13kW)	10 (1.69kW)	10 (1.69kW)	10 (1.69kW)	10 (1.69kW)
	18 (2.95kW)	13 (2.18kW)	10 (1.59kW)	10 (1.59kW)	10 (1.59kW)
	18 (2.78kW)	13 (2.06kW)	13 (2.06kW)	10 (1.50kW)	10 (1.50kW)
	18 (2.66kW)	13 (1.97kW)	13 (1.97kW)	13 (1.97kW)	10 (1.44kW)

Hi-Wall

Ducted

BiFlow

Cassette

Daiseikai Hi-Wall